

STATE OF NEW YORK
RADIOACTIVE MATERIALS LICENSE

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AMENDMENT

Pursuant to the Labor Law and Industrial Code Rule No 38, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess and use the radioactive material(s) designated below, and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders now or hereafter in effect of all appropriate regulatory agencies and to any conditions specified below.

1 Name Union Carbide Corporation Olefins Division P. O. Box 66		3 License number 950-0139
2 Address 137 47th Street Niagara Falls, New York		4 Expiration date terminated Valid until terminated
		5 Reference number 2
6 Radioactive materials (element and mass number) 1. Thorium (Natural)	7. Chemical and/or physical form 1. Contaminant in pyrochlore ore and slag consisting mainly of oxides of aluminum, calcium, and magnesium	8 Maximum quantity licensee may possess at any one time 1. 6000 pounds

CONDITIONS

- 9 Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above)
1. Processing and smelting of Brazilian Columbite Ores to produce ferrocolumbium metal, including storage and burial of source contaminated slag in accordance with Item 14.
10. The licensee shall conduct operations involving the possession and use of sources of radiation in compliance with the requirements of New York State Industrial Code Rule No. 33, "Radiation Protection".
11. The agreement material described in Items 6, 7 and 8 above:
- A. Shall be used only by or under the supervision of the following named individuals:
 - E. W. Shustik
 - (Paul McDaniel)
 - A. H. Soeder

FOR THE NEW YORK STATE DEPARTMENT OF LABOR

Date _____

by _____

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License Number 950-0139
Reference Number 2

- B. Shall be possessed and used by the licensee in accordance with statements, representations and procedures contained in his application dated March 26, 1965, and in related documents as follows, except where otherwise authorized elsewhere in this license:
1. His letter dated April 7, 1965 to the New York State Department of Labor, signed by R. L. Folkman.
 2. His letters dated July 20, 1966 and August 3, 1966 to the New York State Department of Labor, signed by A. H. Soeder.
 3. The State of New York Department of Labor Notice of Plan Approval No. BWP-142-66 (Conditional) dated September 30, 1966 and the State of New York Air Pollution Control Board Notice of Plan and/or Report Approval No. BRAP-119-66 (Conditional) dated September 30, 1966.
13. The licensee shall submit revised plans and specifications of the exhaust system authorized in Item 11.B.3 above, or any new system involving the agreement material, to the Division of Industrial Hygiene for approval prior to making alterations of or additions to the system as specified in the State of New York Notice of Plan Approval.
14. The licensee shall dispose of radioactive waste in accordance with the provisions of Part 16, New York State Sanitary Code and the New York State Department of Health letter referencing "Exemption Burial" dated May 28, 1965 from Sherwood Davies to A. H. Soeder of Union Carbide Corporation and amendments thereto.

Date October 18, 1966
JA/v

FOR THE NEW YORK STATE DEPARTMENT OF LABOR

by

Robert E. Swencicki, M.D.
Chief - Radiological Health Unit

FOR: Morris Kleinfeld, M.D., Director, DII